Event

MPTS
INTERMEDIATE E-2/C-2 AND AJET CQL 4201 - 4205 T-45

Mission

CARRIER QUALIFICATION LANDING SOLO

0.6 HOURS/X

ORM

CQL 4201 - 4205

- **OPERATIONAL REQUIREMENTS / LIMITATIONS**
  - **CREW REST/ CREW DAY / WORK WEEK**
  - **WARM-UP ELIGIBILITY**
  - **PREVIOUS FLIGHT COMPLETE?**
  - **IP CURRENCY**
  - **READ AND INITIAL**

- **HUMAN FACTORS**
  - **LIFE STRESSORS / EXTERNAL FACTORS/ PERSONAL PROBLEMS**
  - **MEDICAL STATUS**
    - **CREW DAY**
    - **CREW REST**
    - **NOURISHMENT**
    - **HYDRATION**

- **HAZARDS AND CONTROLS**
  - **ROUTINE**
  - **WEATHER**
    - **CURRENT OBSERVATIONS AND FORECASTS**
    - **CROSSWINDS**
    - **FUEL CONSIDERATIONS**

TTO

CQL 4201 - 4205

- **WHO WILL CALL A TTO?**

- **WHAT SITUATIONS WILL THE TTO BE CALLED?**
  - **SAFETY**
  - **CONFUSION**
  - **MISUNDERSTANDING**

- **IP RESPONSIBILITIES**
  - **RECOGNIZE THE NEED FOR A TTO**
  - **EXPLANATION / INSTRUCTION AS NECESSARY**
  - **DOCUMENTATION ON ATF**

- **WHEN AND HOW WILL TRAINING RESUME?**

SSR/DISCUSS ITEMS

CQL 4201 - 4205

- **SPECIAL SYLLABUS REQUIRMENTS:**
  - **NONE**

- **PREREQUISITES:**
  - **STUDENTS MUST HAVE A MINIMUM OF 270 FCLP-TYPE LANDINGS IN THE T-45 PRIOR TO BEGINNING CARRIER QUALIFICATION LANDING STAGE (CQL 4201).**
  - **CQL 4101 (WITHIN TWO WEEKS)**
  - **CQL 1101 (DAY/NIGHT FCLP REFRESHER)**

- **DISCUSS ITEMS:**

  CQL 4201
  - **NATOPS/SOP/EP QOD**
  - **DELTA PATTERN**
  - **PREFLIGHT/GROUND OPERATIONS**
  - **PATTERN ENTRY**
  - **COMMUNICATIONS**

SSR/DISCUSS ITEMS

CQL 4201 - 4205

- **DISCUSS ITEMS CONTINUED:**

  CQL 4202

  - **NATOPS/SOP/EP QOD**
  - **PATTERN PROCEDURES**
  - **ARRESTMENT PROCEDURES**
  - **CASE I PROCEDURES**
  - **TREND ANALYSIS**

  CQL 4203

  - **NATOPS/SOP/EP QOD**
  - **DECK PROCEDURES**

SSR/DISCUSS ITEMS

CQL 4201 - 4205

- **DISCUSS ITEMS CONTINUED:**

  CQL 4204

  - **NATOPS/SOP/EP QOD**
  - **BINGO/DIVERT PROCEDURES**
  - **GINA FAILURE**

  CQL 4205

  - **NATOPS/SOP/EP QOD**
  - **DEPARTURE PROCEDURES**
  - **RETURN-TO-BASE PROCEDURES**

SYLLABUS NOTES

CQL 4201 - 4205

A. ONE NIGHT FCLP PERIOD UNDER LSO CONTROL IS REQUIRED DURING CQL. A TOTAL OF THREE NIGHT FCLP PERIODS UNDER LSO CONTROL MUST BE FLOWN PRIOR TO THE COMPLETION OF THE T-45 COMBINED FLIGHT TRAINING CURRICULUM.

B. A MINIMUM OF SIX FCLP-TYPE LANDINGS ARE REQUIRED ON EACH EVENT.

C. ALL NIGHT CQL FLIGHTS SHALL TAKE-OFF NO EARLIER THAN 30 MINUTES AFTER OFFICIAL SUNSET.

D. UP TO THREE FCLP/CQL EVENTS MAY BE SCHEDULED PER DAY.

E. LANDING GRADES ARE AT THE SOLE DISCRETION OF THE LSO'S.

F. NIGHT CQL SHALL NOT BE FLOWN PRIOR TO CQL 4203.

ADMIN (CARD)

CQL 4201 - 4205

- **A/C – ATC C/S – CREW**
- **BRIEF / WALK / TAKEOFF / LAND TIMES**
- **ATC CLEARANCE / DD-175**
- **FUEL PLAN/LADDER**
- **LINE / T/O / ABORT / RPM**
- **COMM PLAN**
- **NAV PLAN**

ADMIN

CQL 4201 - 4205

- **LAUNCH**
  - **WEATHER / NOTAMS / TFR / BASH**
  - **PREFLIGHT / START / TAXI**
  - **ITO**
  - **SWAPPING OF CONTROLS**
  - **ENROUTE PROCEDURES**
  - **RADALT USAGE**

- **RTB**
  - **RECOVERY**
  - **DIVERTS**

CONDUCT

CQL 4201 - 4205

- **TIMS RESUME REVIEW**

- **PRACTICE:**
  - **CHECKLISTS/COMM/GROUND OPS**
  - **TAKEOFF/DEPARTURE/FLIGHT ADMIN**
  - **TAKEOFF**
  - **DEPARTURE**
  - **DESCENT/FIELD ENTRY**
  - **FCLP PATTERN**
  - **START POSITION**

CONDUCT

CQL 4201 - 4205

- **PRACTICE CONTINUED:**
  - **AOA CONTROL**
  - **GLIDESLOPE CONTROL**
  - **POWER CONTROL**
  - **LINEUP CONTROL**
  - **ERROR DETECTION/CORRECTION**
  - **RESPONSE TO LSO CALLS**
  - **BOLTER/TOUCH-AND-GO TECHNIQUE**
  - **WAVEOFF TECHNIQUE**
  - **FULL-STOP LANDING**

BLOCK MIF

CQL 4201 - 4205

CTS REF	MANEUVER	CQL4211
1	General Knowledge/Procedures	1+
2	Emergency Procedures	1+
3	Headwork/Situational Awareness	1+
4	Basic Airwork	1+
5	Mission Planning/Briefing/ Debriefing	1+
6	Communications	1+
7	Ground Operations	1+
8	Flight Admin	1+
10	Takeoff	1+
11	Departure	1+
13	Descent/Field Entry	1+
52	FCLP Pattern	1+
52	Start Position	1+
52	AOA Control	1+
52	Glideslope Control	1+
52	Power Control	1+
52	Lineup Control	1+
52	Error Detection/Correction	1+
52	Response to LSO Calls	1+
52	Bolter/Touch-and-Go Technique	1+
52	Waveoff Technique	1+
23	Full-Stop Landing	1+

Emergencies

CQL 4201 - 4205

- **GROUND EMERGENCIES**
- **CLEAR ENGINE PROCEDURE**
- **ABORT**
- **RWY DEP / GND EJECTION**
- **RADIO/ICS FAILURE**
- **LOSS OF NAVAIDS**
- **LOST PLANE**
- **SYSTEM FAILURES**
- **DISORIENTATION**
- **BIRD STRIKE/ MIDAIR**
- **SAR PROCEDURES**
- **EJECTION**
- **AIRCREW COORDINATION**

STANDARD DEBRIEFING FORMAT

CQL 4201 - 4205

- THE FLIGHT LEAD OR PILOT-IN-COMMAND IS RESPONSIBLE FOR ENSURING ALL FLIGHT OR CREWMEMBERS ARE THOUROUGHLY DEBRIEFED ON THE CONDUCT OF THE MISSION UTILIZING THE "S-P-B-E-MS-LL" FORMAT OUTLINED BELOW.

I. SAFETY
II. PLANNING
III. BRIEF
IV. EXECUTION
V. MISSION SUCCESS
VI. LESSONS LEARNED